

Rec'd PCT/PTO 24 JUN 2005

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Attorney Docket No.: 3081.93US01

Michael Kempe et al.

Confirmation No.: 2397

Application No.: 10/511,422

Examiner: Unknown

Filed: October 14, 2004

Group Art Unit: Unknown

For: FIBRE-LASER COMPRISING A MODE-SELECTIVE CAVITY MIRROR

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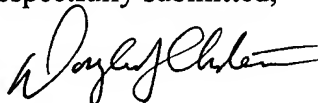
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
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P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. This information is being filed before the mailing date of a first Office Action on the merits. No certification or fee is required.

Respectfully submitted,



Douglas J. Christensen  
Registration No. 35,480

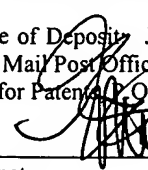
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Mai Lee Vang  
Name of Person Making Deposit

  
Signature

Substitute for form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	Complete if Known
Filing Date	October 14, 2004
First Named Inventor	Michael Kempe
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	3081.93US01

Sheet 1 of 3

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code <sup>2</sup> (if known)		
		US-5,422,897	06/06/1995	Wyatt et al.
		US-6,324,326 B1	11/27/2001	Dejneka et al.
		US-6,834,061 B2	12/21/2004	Hugnard et al.
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
		WO 02/05394 A1	01/17/2002	Huignard	

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number		511/422
				Filing Date		October 14, 2004
				First Named Inventor		Michael Kempe
				Art Unit		Unknown
				Examiner Name		Unknown
				Attorney Docket Number		3081.93US01
Sheet	2	of	3			

## NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIAL*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		GRIEBNER et al., "Efficient laser operation with nearly diffraction-limited output from a diode-pumped heavily Nd-doped multimode fiber," <u>OPTICS LETTERS</u> , Vol. 21, No. 4, pgs. 266-268 (February 15, 1996).	
		ZELLMER et al., "Fiber lasers – compact laser light sources for the near infrared spectral range," <u>Laser und Optoelektronik</u> , pgs. 53-59 (4/29/1997).	
		MIYAMOTO, "Output Beam from a Confocal Resonator with a Pinhole for Mode Selection," <u>APPLIED OPTICS</u> , Vol. 11, No. 9, pgs. 2040-2046 (September 1972).	
		HODGSON et al., "Degenerated confocal resonator," <u>APPLIED OPTICS</u> , Vol. 32, No. 18, pgs. 3190-3200 (June 20, 1993).	
		AIT-AMEUR, "Transverse mode selection in resonator with a super-Gaussian aperture," <u>J. Modern Optics</u> , Vol. 40, No. 9, pgs. 1833-1838 (1993).	
		TOWNSEND et al., "Unobscured unstable resonator design for large bore lasers," <u>Mirrors and Windows for High Power/High Energy Laser Systems</u> , Proc. SPIE, Vol. 1047, 184-188, pgs. 314-318 (1989).	
		YASUI et al., "Negative-branch unstable resonator with a phase unifying output coupler for high power Nd:YAG lasers," <u>APPLIED OPTICS</u> , Vol. 29, No. 9, pgs. 1277-1280 (March 20, 1990).	
		CHEN et al., "An unstable confocal resonator with unitized output coupling," <u>Optics Communications</u> , Vol. 100, no. 5, 6, pgs. 467-472 (1993).	
		PARE et al., "Custom Laser Resonators Using Graded-Phase Mirrors," <u>IEEE J. OF QUANTUM ELECTRONICS</u> , Vol. 28, No. 1, pgs. 355-362 (January 1992).	
		ZEITNER et al., "High modal discrimination for laser resonators with Gaussian output beam," <u>J. Modern Optics</u> , Vol. 40, No. 9, pgs. 1309-1314 (1999).	
		FARAHBOD et al., "Performance of Nd:YAG lasers in coupled generalized self-filtering and positive-branch unstable resonators," <u>APPLIED OPTICS</u> , Vol. 38, No. 21, pgs. 4516-4527 (July 20, 1999).	

EXAMINER SIGNATURE	DATE CONSIDERED
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				Filing Date <b>October 14, 2004</b>	
				First Named Inventor <b>Michael Kempe</b>	
				Art Unit <b>Unknown</b>	
				Examiner Name <b>Unknown</b>	
				Attorney Docket Number <b>3081.93US01</b>	
Sheet	3	of	3		

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		IMAI et al., "Speckle contrast of laser light transmitted through multimode optical fiber," <u>Optik</u> , Vol. 18, No. 3, pgs. 335-340 (1977).	
		DE SILVESTRI et al., "Lasers with Super-Gaussian Mirrors," <u>IEEE J. OF QUANTUM ELECTRONICS</u> , Vol. 26, No. 9, pgs. 1500-1509 (September 1990).	
		McCARTHY et al., "Optical resonators with Gaussian reflectivity mirrors: output beam characteristics," <u>APPLIED OPTICS</u> , Vol. 23, No. 21, pgs. 3845-3850 (November 1, 1984).	

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